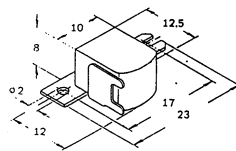
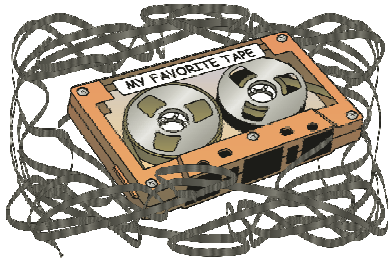
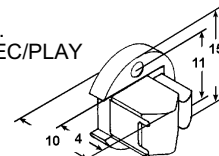


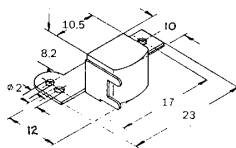
FOR HIFI USE
10KHz +/- 3dB
CODE AH202
COST



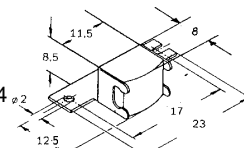
180' FLIP TYPE.
METAL BIAS REC/PLAY
WITH ERASE
12KHz +/- 3dB



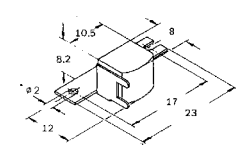
FOR HIFI USE
10KHz +/- 3dB
CODE AH203
COST



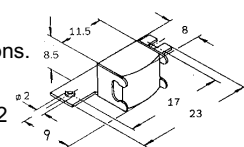
(4 Track)
Suit car stereo
playback.
10KHz +/- 4dB
CODE AH414
COST



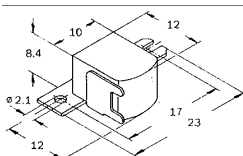
FOR HIFI USE
10KHz +/- 3dB
CODE AH204
COST



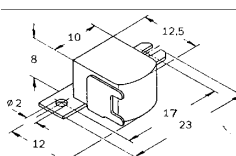
(4 Track)
Suit portables
and Walkpersons.
Playback.
10KHz +/- 4dB
CODE AH412
COST



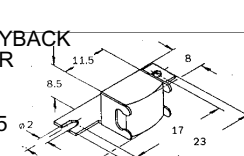
7KHz +/- 4dB
CODE AH101
COST



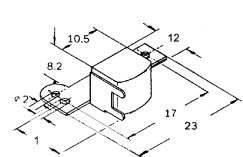
METAL BIAS
14KHz +/- 3dB
CODE AH205
COST



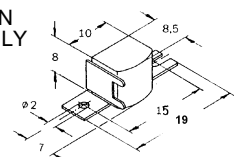
(4 Track)
RECORD/PLAYBACK
SUITABLE FOR
HIFI USE
12KHz +/- 3dB
CODE AH405
COST



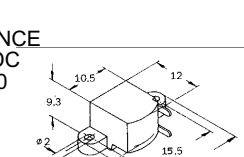
7KHz +/- 4dB
CODE AH102
COST



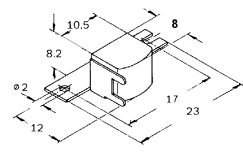
SUIT WALKMAN
PLAYBACK ONLY
10KHz +/- 4dB
CODE AH221
COST



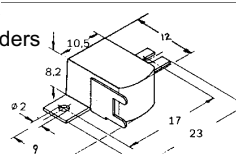
LOW IMPEDANCE
APPROX 5Ω DC
CODE EH900
COST



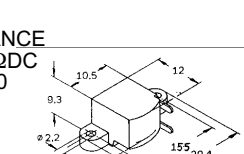
7KHz +/- 4dB
CODE AH103
COST



Suit many Sony
Rad/Cass recorders
10KHz +/- 3dB
CODE AH128
COST \$2

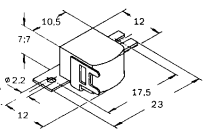


HIGH IMPEDANCE
APPROX 400ΩDC
CODE EH910
COST



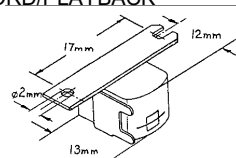
Record, Play &
Erase in one.

Equiv.	National
Orig.	WYO34AZ.
CODE	AH306
COST	



STEREO RECORD/PLAYBACK
METAL BIAS
14KHz +/- 3dB

CODE AH207
COST

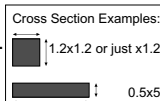


PLEASE READ ME!

BELTS

Suit Cassette, Portable, Dictation machines, Personal Audio, 3in1, Turntable, CD, and maybe some Reel to Reel.

For Video it is advised that you use only original part No's in section four.



Please take care in measuring and selecting the correct size of belt. Extract and squeeze the belt together, measure its length then double it to give you the belts total length. Note:

Do Not Order using the Length value.

From the tables listed, read off the diameter.

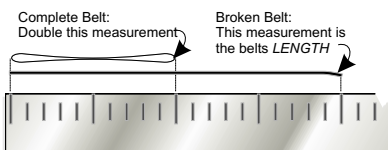
This is the value used in our codes.

Choose the next size down if the belt is stretched. The thickness is a measure of the cross-section of the belt. If the belt is missing or damaged beyond recovery then you could duplicate the belt by running a piece of string around the mech' and use its length as a general guide. Please take advantage of our discount structure. The belts are available individually but are 10% cheaper if bought in bag quantities of ten (No mixed values).

WHEN ORDERING QUOTE THE DIAMETER & THICKNESS ONLY

e.g. **195x0.5x5** 195mmØ, 0.5x5mm thick. (612mm long)

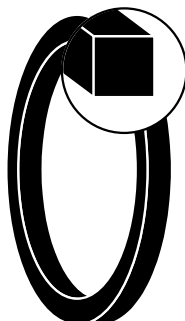
80x1.2 80mmØ, 1.2mm thick. (251mm long)



Remember to allow for the old belt to have been stretched.

SQUARE SECTION 1.0mm X 1.0mm

Code	Length
10X1	31 mm
12X1	38 mm
13X1	41 mm
15X1	47 mm
17X1	54 mm
19X1	60 mm
22X1	69 mm
25X1	79 mm
27X1	84 mm
31X1	97 mm
33X1	103 mm
35X1	110 mm
37X1	116 mm
40X1	125 mm
43X1	135 mm
46X1	144 mm
49X1	154 mm
51X1	160 mm
54X1	169 mm
57X1	179 mm
60X1	188 mm
63X1	198 mm
66X1	207 mm
69X1	216 mm
72X1	226 mm
75X1	235 mm
122X1	380 mm



SQUARE SECTION 1.4mm X 1.4mm

Code	Length
10X1.4	31 mm
12X1.4	38 mm
13X1.4	41 mm
15X1.4	47 mm
17X1.4	54 mm
19X1.4	60 mm
22X1.4	69 mm
25X1.4	79 mm
27X1.4	84 mm
31X1.4	97 mm
33X1.4	103 mm
35X1.4	110 mm
37X1.4	116 mm
37.3X1.6	***
40X1.4	125 mm
43X1.4	135 mm
46X1.4	144 mm
49X1.4	154 mm
51X1.4	160 mm
54X1.4	169 mm
57X1.4	179 mm
60X1.4	188 mm
63X1.4	198 mm
66X1.4	207 mm
69X1.4	216 mm
72X1.4	226 mm
75X1.4	235 mm
80X1.4	251 mm
85X1.4	267 mm
90X1.4	282 mm
95X1.4	298 mm
97X1.4	305 mm
100X1.4	314 mm
105X1.4	330 mm
110X1.4	346 mm
115X1.4	361 mm
121X1.4	380 mm
127X1.4	399 mm
131X1.4	412 mm
136X1.4	427 mm

*** CD loading belt Suit Sony, etc.

SQUARE SECTION 0.8mm x 0.8mm

Code	Length
10X.8	31 mm
12X.8	38 mm
13X.8	41 mm
15X.8	47 mm
17X.8	54 mm
19X.8	60 mm
22X.8	69 mm
25X.8	79 mm
27X.8	84 mm
31X.8	97 mm
33X.8	103 mm
35X.8	110 mm
37X.8	116 mm
40X.8	125 mm
43X.8	135 mm
46X.8	144 mm
49X.8	154 mm
51X.8	160 mm
54X.8	169 mm
57X.8	179 mm
60X.8	188 mm
63X.8	198 mm
66X.8	207 mm
69X.8	216 mm
72X.8	226 mm
75X.8	235 mm

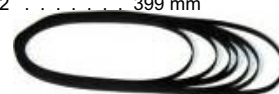


SQUARE SECTION 1.2mm X 1.2mm

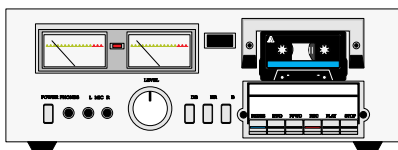
Code	Length
10X1.2	31 mm
12X1.2	38 mm
13X1.2	41 mm
15X1.2	47 mm
17X1.2	54 mm
19X1.2	60 mm
22X1.2	69 mm
25X1.2	79 mm
26.5X1.2	*Clarion
27X1.2	84 mm
31X1.2	97 mm
33X1.2	103 mm
35X1.2	110 mm
37X1.2	116 mm
40X1.2	125 mm
43X1.2	135 mm
46X1.2	144 mm
49X1.2	154 mm
51X1.2	160 mm
54X1.2	169 mm
57X1.2	179 mm
60X1.2	188 mm
63X1.2	198 mm
66X1.2	207 mm
69X1.2	216 mm
72X1.2	226 mm
73X1.2	229 mm
75X1.2	235 mm
80X1.2	251 mm
85X1.2	267 mm
90X1.2	282 mm
95X1.2	298 mm
97X1.2	305 mm
100X1.2	314 mm
105X1.2	330 mm
110X1.2	346 mm
115X1.2	361 mm
116X1.25	**Suit Philips
121X1.2	380 mm
127X1.2	399 mm
131X1.2	412 mm
136X1.2	427 mm

SQUARE SECTION 2.0mm X 2.0mm

Code	Length
10X2	31 mm
12X2	38 mm
13X2	41 mm
14X2	44 mm
16X2	51 mm
18X2	57 mm
19X2	60 mm
22X2	69 mm
25X2	79 mm
27X2	84 mm
31X2	97 mm
33X2	103 mm
35X2	110 mm
37X2	116 mm
39X2	120 mm
40X2	125 mm
43X2	135 mm
46X2	144 mm
49X2	154 mm
51X2	160 mm
54X2	169 mm
57X2	179 mm
60X2	188 mm
63X2	198 mm
66X2	207 mm
69X2	216 mm
72X2	226 mm
75X2	235 mm
80X2	251 mm
85X2	267 mm
90X2	282 mm
93X2	292 mm
95X2	298 mm
97X2	305 mm
100X2	314 mm
105X2	330 mm
110X2	346 mm
115X2	361 mm
121X2	380 mm
127X2	399 mm



FLAT SECTION BELTS 0.5x3mm



Please Read the **BELTS**
On The Previous Page
for Instructions!

Code	Length
31X.5X3	97mm
33X.5X3	103mm
35X.5X3	110mm
37X.5X3	116mm
43X.5X3	135mm
46X.5X3	145mm
49X.5X3	154mm
51X.5X3	160mm
54X.5X3	169mm
57X.5X3	179mm
60X.5X3	188mm
63X.5X3	198mm
66X.5X3	207mm
69X.5X3	216mm
72X.5X3	226mm
75X.5X3	235mm
80X.5X3	251mm
85X.5X3	267mm
90X.5X3	282mm
95X.5X3	298mm
100X.5X3	314mm
105X.5X3	330mm
110X.5X3	346mm
115X.5X3	361mm
121X.5X3	380mm

FLAT SECTION BELTS 0.6x5mm

Code	Length
31X.6X5	97mm
35X.6X5	110mm
37X.6X5	116mm
40X.6X5	125mm
43X.6X5	135mm
46X.6X5	145mm
51X.6X5	160mm
54X.6X5	169mm
57X.6X5	179mm
60X.6X5	188mm
63X.6X5	198mm
66X.6X5	207mm
69X.6X5	216mm
72X.6X5	226mm
75X.6X5	235mm
80X.6X5	251mm
85X.6X5	267mm
90X.6X5	282mm
95X.6X5	298mm
100X.6X5	314mm
105X.6X5	330mm
110X.6X5	346mm
115X.6X5	361mm
120X.6X5	377mm
126X.6X5	395mm
132X.6X5	415mm
143X.6X5	450mm
150X.6X5	471mm
160X.6X5	502mm
170X.6X5	534mm
175X.6X5	550mm
180X.6X5	565mm
185X.6X5	581mm
189X.6X5	593mm
195X.6X5	612mm
200X.6X5	628mm
205X.6X5	644mm
210X.6X5	659mm
222X.6X5	697mm
238X.6X5	739mm
292X.6X5	917mm

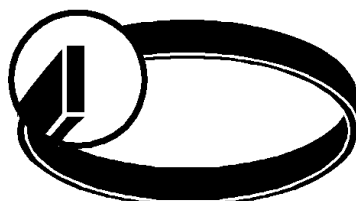
FLAT SECTION BELTS 0.6x6mm

Code	Length
57X.6X6	179mm
60X.6X6	188mm
63X.6X6	198mm
66X.6X6	207mm
69X.6X6	216mm
72X.6X6	226mm
75X.6X6	235mm
80X.6X6	251mm
85X.6X6	267mm
90X.6X6	282mm
95X.6X6	298mm
100X.6X6	314mm
105X.6X6	330mm
110X.6X6	346mm
115X.6X6	361mm
120X.6X6	380mm
122X.6X6	385mm
126X.6X6	395mm
132X.6X6	414mm
143X.6X6	449mm
150X.6X6	471mm
160X.6X6	502mm
170X.6X6	534mm
175X.6X6	550mm
180X.6X6	565mm
185X.6X6	581mm
189X.6X6	593mm
195X.6X6	612mm
200X.6X6	628mm
205X.6X6	644mm
210X.6X6	659mm
222X.6X6	697mm



FLAT SECTION BELTS 0.5x4mm

Code	Length
31X.5X4	97mm
33X.5X4	103mm
35X.5X4	110mm
37X.5X4	116mm
40X.5X4	125mm
43X.5X4	135mm
46X.5X4	145mm
49X.5X4	154mm
51X.5X4	160mm
54X.5X4	169mm
57X.5X4	179mm
60X.5X4	188mm
63X.5X4	198mm
66X.5X4	207mm
69X.5X4	216mm
72X.5X4	226mm
75X.5X4	235mm
80X.5X4	251mm
85X.5X4	267mm
90X.5X4	282mm
95X.5X4	298mm
100X.5X4	314mm
105X.5X4	330mm
110X.5X4	346mm
115X.5X4	361mm
121X.5X4	380mm



FLAT SECTION BELTS 0.5x5mm

Code	Length
120X.5X5	377 mm
126X.5X5	395 mm
132X.5X5	415 mm
143X.5X5	450 mm
150X.5X5	471 mm
160X.5X5	502 mm
170X.5X5	534 mm
175X.5X5	550 mm
180X.5X5	565 mm
185X.5X5	581 mm
189X.5X5	593 mm
195X.5X5	612 mm
200X.5X5	628 mm
205X.5X5	644 mm
210X.5X5	659 mm
222X.5X5	697 mm
238X.5X5	739 mm
262X.5X5	823 mm



FLAT SECTION BELTS 0.7x5mm

Code	Length
126X.7X5	395 mm
150X.7X5	471 mm
189X.7X5	593 mm
195X.7X5	612 mm
200X.7X5	628 mm
205X.7X5	644 mm
210X.7X5	659 mm

CD LOADING BELT

Suit Sony
HD, HCDH,
& Many others
Size 37.3x1.6mm
Orig. 4-927-649-01
Code BLT4901



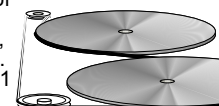
SHARP CD SLED

Belt to
suit motor
NAA3B ()
NBLTH0117AF22
18x.5x3 APPROX
Code BLT117



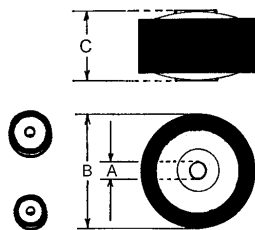
CAR AUTOREVERSE

Popular belt used
in many brands of
car cassette like
Eurovox, Clarion,
and many others.
Code 122X1X1



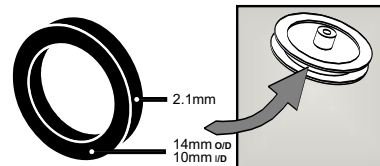
NYLON PINCH ROLLERS

Code	A x	B x	C
CPR10	1.5mm	9mm	6mm
CPR14	2mm	9mm	6mm
CPR18	1.5mm	10mm	6mm
CPR24	2mm	13mm	8mm
CPR28	2.5mm	13mm	8mm



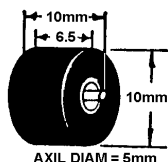
CASSETTE IDLER TYRE

Suit Older mech's
with jockey wheel
type reel assemblies.
Came from CIA712
(CIA712 discontinued)
Code RT720



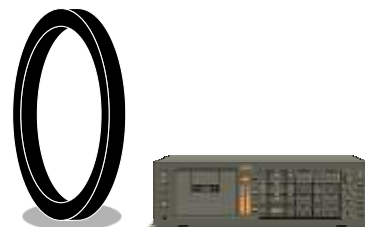
CASSETTE PINCH ROLLER

Used in plastic decks
where the shaft is a
part of the roller.
Code CPR16



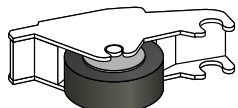
IDLER TYRE

Suit Nakamichi
DT series
O/D 32.95mm
I/D 28.50mm
Width 1.9mm
Code RT3319



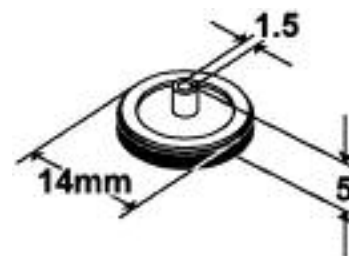
PHILIPS PINCH ROLLERS

Plastic mech
P1, P6, etc.
L & R the same.
Code CPR42



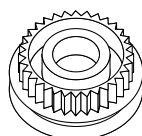
CASSETTE IDLER

Code CIA718

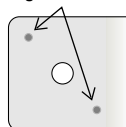


CLARION CAR STEREO

When replacing the
motor SMA102101 with
our substitute motor
MMI-6S2L (page 5-5)
you will need a new
pulley as the old one
is not removable.
Suit PN9325D, etc.
Code MP101



There are two
Locating Pins
That Require
Filing Down Flat.

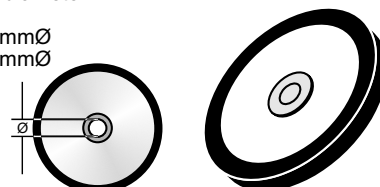


For Replacing Motor
With Our 6S2L Motor

CLARION IDLERS.

Both are the same except for centre hole.
Height - 3mm, Outside diameter - 22mm.

Code CIA725 2.0mmØ
CIA726 2.5mmØ



PHILIPS FLYWHEEL

Plastic mech P1, P6, etc.
With or Without gear.
4822 528 80984
With FW984

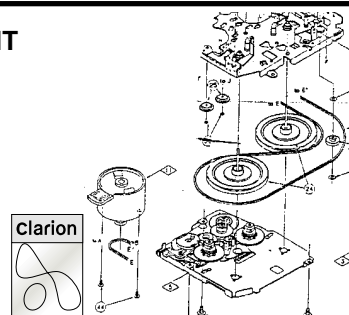
4822 528 80985
Without FW985



Belt to suit = 116.5X1.25

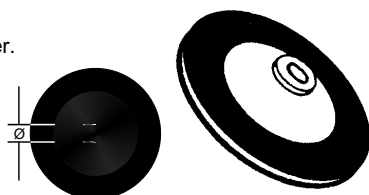
CLARION BELT KIT

25.6 x 1.2mm &
121.5 x 1.2mm
Suit 430,450,
650,800,
900,990,
9000E,
9061,
PU9200...
CK2



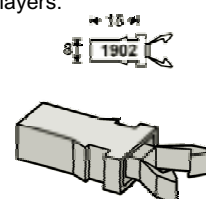
BSR TURNTABLE IDLER TYRE

Jockey wheels to
suit most Rim Drive
type turntables.
40 mm outside diameter.
Suit 4mm spindle only.
Code TT10



DOOR LOCKS

Push closed & it is locked, push again and it releases the door
catch. As used in portable CD players.
Code DL1902



ELECTRONIC GOVERNOR MOTOR

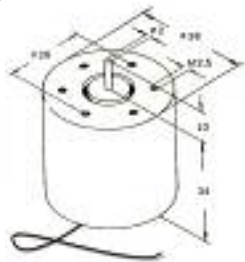
General purpose replacement motors designed for audio drive equipment. Truly universal motors whose features include universal mounting, easy speed adjustment via a preset potentiometer accessible through the bottom, lower wow and flutter, longer life, less vibration plus a standard spindle diameter allowing you to use the original pulley. Simply fit motor and adjust for correct speed. Simple, convenient, quick and reliable.

These motors use solid state speed control. DO NOT reverse the input voltage polarity as damage to the electronic regulator will result and therefore, not be covered under warranty.

The EG510ED series has been superseded by the smaller EG500AD & EG530AD series. The specifications are identical for all 'EG' motors.

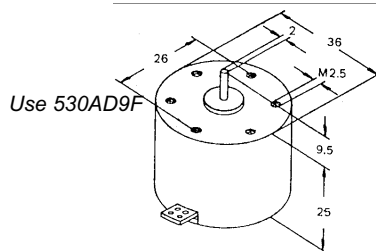
MABUCHI EG510ED SERIES

Code V/Dir
510ED6F 6V CW
510ED6B 6V Discontinued
Use 500AD6B
510ED9F 9V Discontinued
Use 530AD9F
510ED9B 9V CCW
510ED2F 12V Discontinued
Use 500AD2F
510ED2B 12V Discontinued
Use 500AD2B



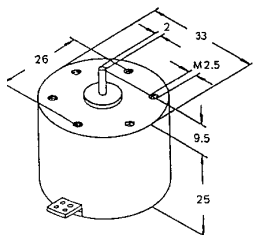
MABUCHI EG500AD SERIES

Code V/Dir
500AD6F 6V CW
500AD6B 6V CCW
500AD9F 9V CW
500AD9B 9V CCW
500AD2F 12V CW
500AD2B 12V CCW



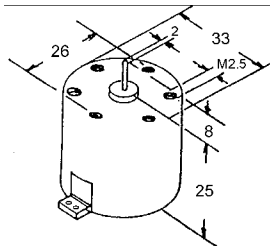
MABUCHI EG530AD SERIES

Code V/Dir
530AD9F 9V CW
530AD9B 9V CCW
530AD2F 12V CW
530AD2B 12V CCW



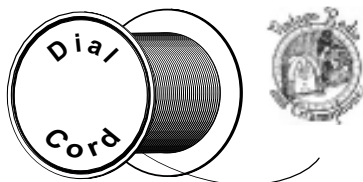
MATSUSHITA MMI-6S SERIES

Code V/Dir
6S6R 6V CW
6S6L 6V CCW
6S9R 9V CW
6S9L 9V CCW
6S2R 12V CW
6S2L 12V CCW



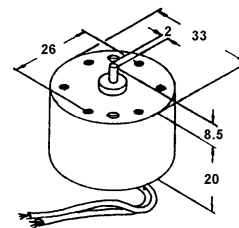
DIAL CORD

100 Meter reel of 0.5mm white woven nylon cord. Suit dial cord repair of old radios, etc.
Code K665
100M



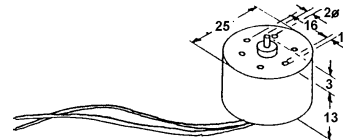
SANKYO MOTOR

Mechanical Governor
Clockwise 13.2 Volt
Negative Chassis.
Code DFC2R



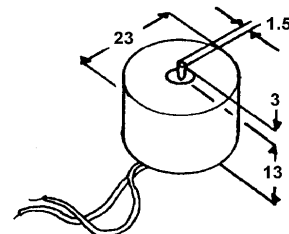
MABUCHI MINI MOTOR

Original part No. RF-300C-14270
Used in walkman and other applications where a small motor is required.
Uni-Directional.
1.3 to 2.1 Volts.
Code WM300



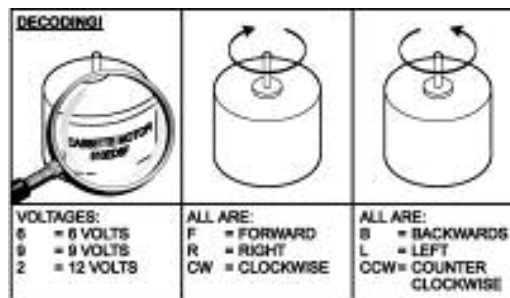
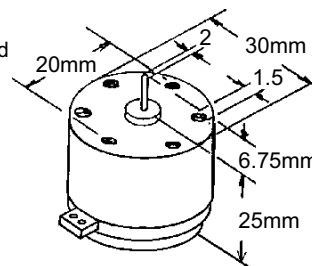
MATSUSHITA MINI MOTOR

Part No. HDN-4A3LD
Used in walkman and other applications where a 1.7V small motor is required.
Uni-Directional.
Code WM350



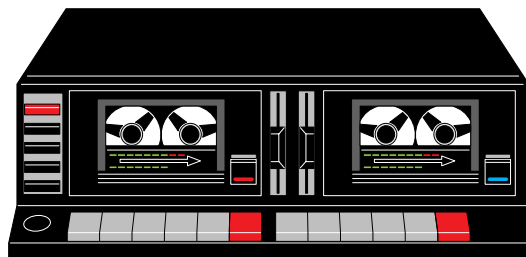
CAR DECK MOTOR

Replacement motor designed to suit car audio units.
Counter Clock Wise (Left)
13V DC Electronic governor
Default Speed 2400 RPM (Adjustable)
Code EG520ED3B



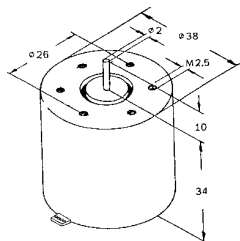
DUAL SPEED ELECTRONIC MOTORS

The following motors are widely used in dual deck units with high speed dubbing. More specific circuits for each motor is not available as they will vary from unit to unit. The information that is available we have supplied below for reference only and may vary slightly from the unit you are working on. Substitution is for the keen experimenter only! Unfortunately the manufacturer does not supply any resistor values for the circuits below. **NOTE! Motors are stamped on the base with their pin connections, this may vary to what is indicated below. All our motors have been tested and the diagrams below are correct. The recommended course of action is to rewire up the new motor identically to the replaced motor, pin for pin.**



510KD SERIES 1600/3200 RPM

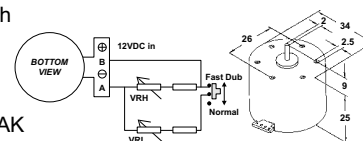
Code V/Dir
510KD9F 9V CW
510KD9B 9V CCW



DUAL SPEED DUBBING MOTOR

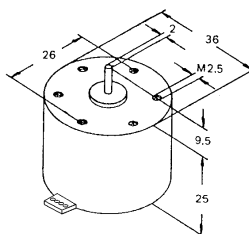
Used in mechanisms with two motors. Standard spindle length. The motor label shown here is correct.

Part No MMI-6S2LWAK
Voltage 12V
Rotation CCW (L)
Code 6S2LWAK



500KD SERIES 1600/3200 RPM

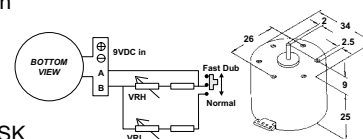
Code V/Dir
500KD9B 9V CCW
530KD2B 12V CCW



DUAL SPEED DUBBING MOTOR

Used in mechanisms with one motor. Longer spindle length for two belt pulleys. The circuit is for a general guide only.

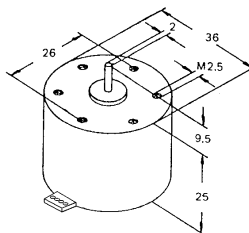
Part No MMI-6H9LWSK
Voltage 9V
Rotation CCW (L)
Code 6H9LWSK



500YD SERIES 2000/4000 RPM

Code V/Dir
500YD9B 9V CCW

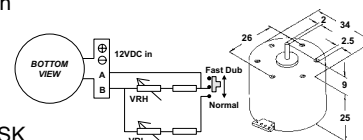
See SHU series below.



DUAL SPEED DUBBING MOTOR

Used in mechanisms with one motor. Longer spindle length for two belt pulleys. The circuit is for a general guide only.

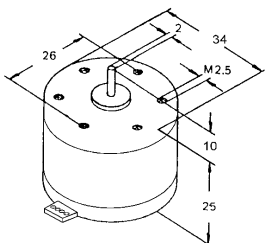
Part No MMI-6H2LWSK
Voltage 12V
Rotation CCW (L)
Code 6H2LWSK



SHU SERIES DUAL SPEED

Sankyo cassette motors.

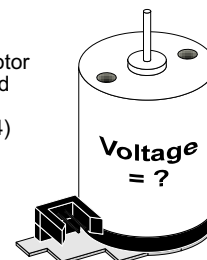
Code V/Dir
SHU9L 9V CCW
SHU2L 12V CCW
SHU2R 12V CW
SHW2L USE SHU2L



SPECIALISED MOTORS

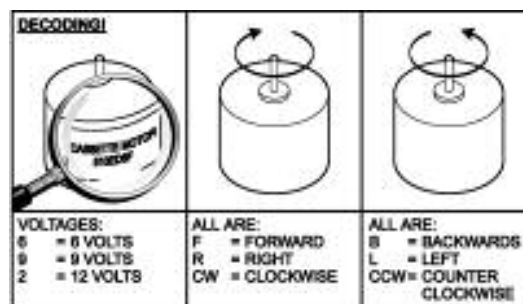
Some audio equipment may require a motor not found here. VCR "loading" motors and the like are also general purpose and substitutable in some audio units. (See 04) Unfortunately though, we don't have that information on the VCR specifications. So, if you discover a video motor that's suitable for a multi-CD player or something not VCR, please let us know so we can enter it in here and our data base.

Thank You.



Wagner

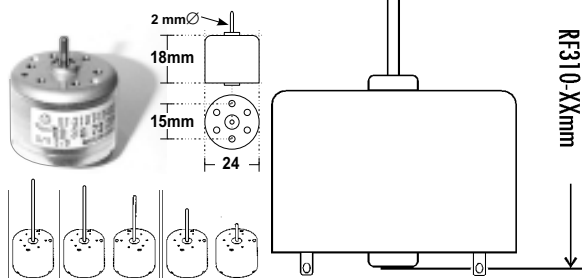
ELECTRONIC SERVICES A/Asia
138 LIVERPOOL RD ASHFIELD 2131
PH 02 97989233 FAX 02 97980017



CD MOTORS - RF310 & RF320 (15mm Mount)

The following range of motors will suit most CD replacement applications Tracking, loading or disk drive. The important criteria is the mounting dimensions and spindle length.

Spindle	Code
27mm	RF310-27
29mm	RF320-29
30mm	RF310-30
38mm	RF310-38
43mm	RF310-43

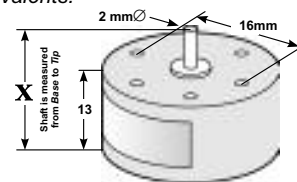


CD MOTOR RF300

P/No. RF-300C-11440
D/V5.9 and equivalents.

21mm Shaft
Code RF300-21

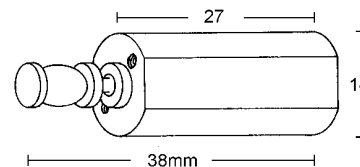
23mm Shaft
Code RF300-23



CD SLED DRIVE MOTOR

Suit Sharp and other brands.
Orig. RMOTV0334AF00
Code NAA3B

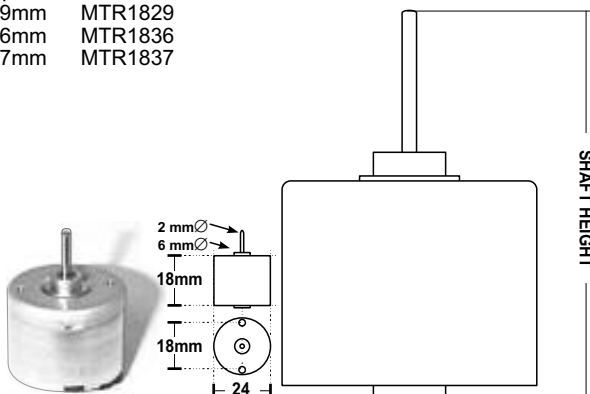
BELT TO SUIT
NBLTH0117AF22
18x.5x3 APPROX
Code BLT117



CD MOTORS - BRASS COLLAR (18mm Mount)

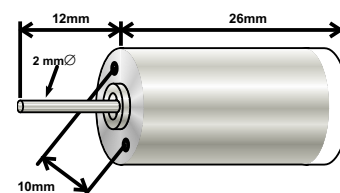
Raised brass collar as used in many brands of CD players. eg. Akai, Teac, Sharp, etc... Will substitute most spindle and tracking motors with the same mounting hole dimensions.

Spindle	Code
29mm	MTR1829
36mm	MTR1836
37mm	MTR1837



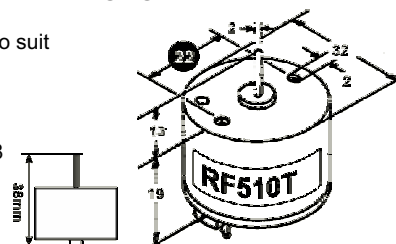
CD TRACKING MOTOR

Suit AKAI
CDA405
+Other models
+Other brands
Orig. BM371552
Code MTR1552



MULTI-DISC PLAYER MOTOR

Replacement motor to suit Pioneer PDM series.
Loading motor and disc select motor.
Orig. PYY1025
Code RF510-38



CD MOTORS - MDN4RA (15mm Mount)

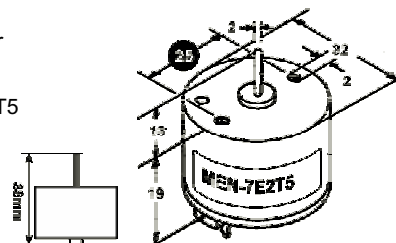
The following range of motors will suit most CD replacement applications. Tracking, loading or disk drive. The important criteria is the mounting dimensions and spindle length.

Spindle	Code
30mm	MDN4RA-30
42mm	MDN4RA-42



MULTI-DISC PLAYER MOTOR

Loading motor and/or disc select motor.
12VDC Matsushita.
Code MEN7E2T5



SONY CD MOTOR - SUPPLIED WITH MECH'

Spindle drive motor attached to frame.
P/No. RF310T11400
X-4917-523-3
Suit CDP190,
C500/M,
BU5BD3A,
etc.
Code MEC5233

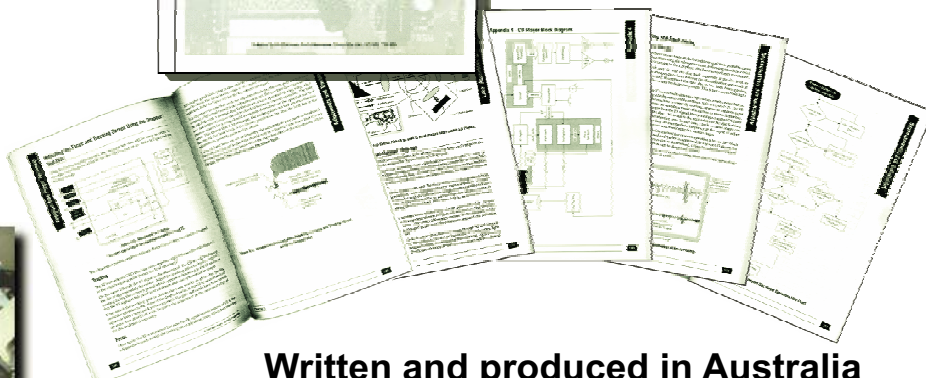


COMPACT DISC PLAYER SERVICING MANUAL

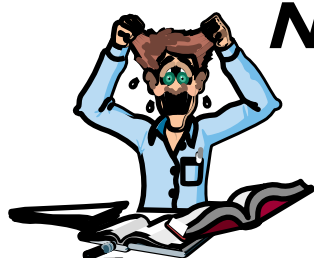
A comprehensive 200 page manual. Covers Principles, Error correction, Laser assemblies, Servo, Signal Processing, Adjustments, Q & A, Troubleshooting and much more. Learn to fine tune a modern CD player and repair common faults. Full of diagrams, CRO Pictures, Schematics, Flow Charts, etc. Excellent references for the technical person with glossary and repair hints for the novice. Self assessment exercises for assistance in training. Written in Australia for Australian technicians, and published with the knowledge and resources of EFIL.



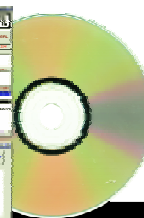
**CRO
Diagrams
Schematics
Flow Charts
etc. etc.**



**Written and produced in Australia
Over 200 Pages of info and data !**



Need Some Assistance?

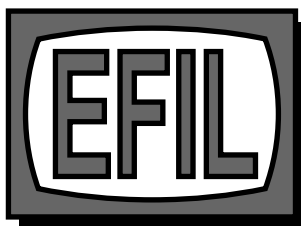
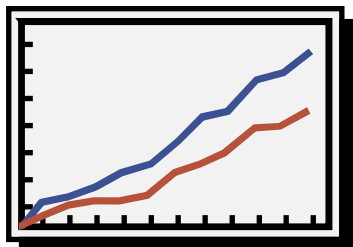


**See Page 14-35 for
Service Information Products**

WEB Reference:
www.wescomponents.com/repair/
www.efil.com.au
www.tesa.org.au
www.tetia-tesa.org.au
www.repairfaq.org
Dvddemystified.com



DVD Demystified
 Friend of the DVD FAN



**INCREASE PRODUCTIVITY
SAVE TIME & MONEY**

FAULT CURES - IKON with wes part codes!

UPDATED! New images, Australian. Logical, concise layout with thousands of cures listed. Ideal benchtop companion. Additional information is supplied to help you find your way around. Helpful tips for component substitution possibilities and use of WES code numbers for quicker parts ordering and identification. Clear descriptions and easy to search. Years of experience available at your finger tips. Improve your workshop output today!

TV FAULT CURES

Uses WES Code Numbers!
 Lists over 4000
 Australian model TVs'
 faults and cures!
 Now with DIGITAL-TV!
 Code MAN-TV-IKON

VCR FAULT CURES

Written from the perspective
 of the technician, clearly.
 Over 7200 faults and cures!
 Includes handy additional info
 eg. pin voltages, WES codes, etc.
 Code KAN-V-IKON

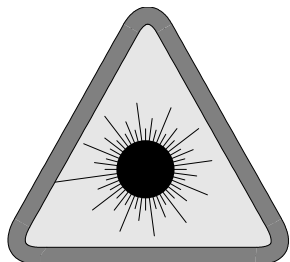
BOTH MANUALS ON CD-ROM

Now available for the
 "paperless-workshop"
 Includes both manuals and
 some additional information
 including monitor repairs.
 Code IKON-CDR



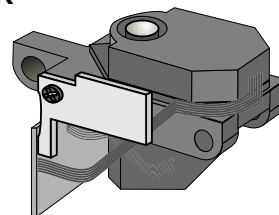
LASER ASSEMBLIES

Pickups to suit Sony units and many other brands. The items we stock are listed below. If you require a part not listed, Please enquire as this range will continue to expand... If you just installed a new laser and it does not function *Don't Panic!* - Check for the "Anti-Static Solder Blob"! For more information, please consult the units service manual. **Pioneer Lasers are NOT pre-aligned!** Please consult the units service manual.



SONY KSS153 LASER

White plug 8 pin
& Red plug 8 pin
18194 671
Code KSS153A



SONY KSS168 LASER

Pins 13+4
Code KSS168A



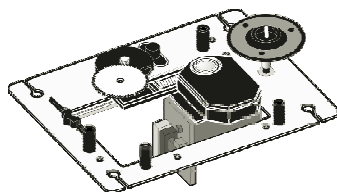
SONY KSM210-1 LASER

Motors, gears, pickup, all complete.

Code KSM210-1AAM

Code KSM210-1ADM

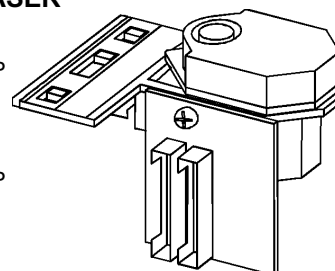
Code KSM210-1BAM



SONY KSS210A LASER

TYPE A standard
Orig. KSS-210-ARP
Code KSS210A

TYPE B High gain
Orig. KSS-210-BRP
Code KSS210B

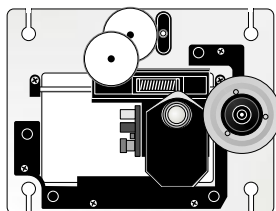


SONY KSM150B & KSM210B

Motors, gears, pickup, all complete.

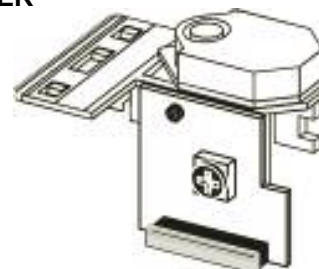
Orig. KSM-210-BBM
Code KSM210B

Orig. KSM-150-BBM
Code KSM150B



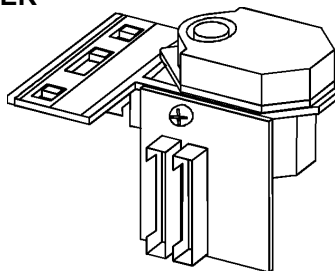
SONY KSS211 LASER

15 pin membrane
Sony 8-848-131-11
Code KSS211A



SONY KSS150 LASER

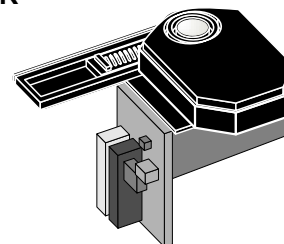
Code KSS150A



SONY KSS212 LASER

8 pin Red socket
8 pin white socket
Code KSS212A

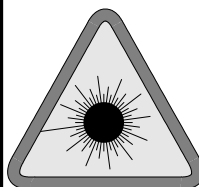
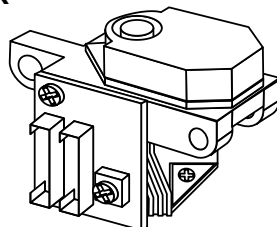
Code KSS212B



SONY KSS152 LASER

Suit modern Sony units and many others.

Orig. KSS-152-ARP
Code KSS152A



THE ELECTRONIC SERVICE CENTRES' ASSOCIATION

Incorporating Service - Australia

- Are you a Manufacturer AUTHORIZED Warranty Service Centre?
- Are you looking for an association that represents your interests?
- ESCA is the only industry body exclusively representing the interests of Warranty Service Centres.
- Established by 1988 by service centre owners with concern for the future of their industry.
- ESCA represents over 10 major service centres throughout Victoria & NSW.

For further information, visit our web site at: www.esca.com.au or via email: info@esca.com.au

Or write to: ESCA at PO Box 1407 St Albans Vic. 3020

SONY KSS213 LASERS

16 pin connector for membrane type cable.
Colour may be black, white, cream, etc.

Code KSS213A
Code KSS213B
Code KSS213C
Code KSS213E
Code KSS213V

Other Versions Available - See following...



SONY KSS313 LASER

Pins 17
Code KSS313A



SONY KSS213 LASERS

16 pin connector for membrane type cable.
As A/B/C/E but with a bracket on laser head.

Code KSS213D
Code KSS213F



Other Versions Available - See above...

SONY KSS330 LASER

Code KSS330A

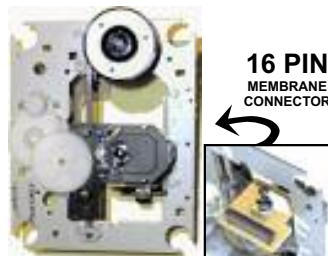


SONY KSM213-CCM MECHANISM

Suit AC720, EF20,
P/No. 21871SE455
Code KSM213CCM

LASER ONLY

Code KSS213C



NOTE: ECM Version below.

SONY KSS331 LASER

Suit Sony Walkmans, etc.
Code KSS331A

18 Pin Connector
P/No 1486A, SC350
Code KSS331C

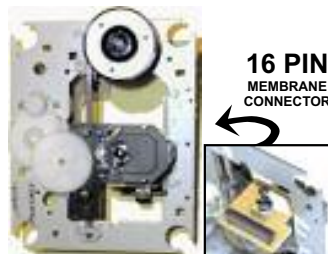


SONY KSM213-ECM MECHANISM

Suit HCDGRX40
MHCXRDX3
P/No. A-3328-816-A
Code KSM213ECM

LASER ONLY

Code KSS213E



NOTE: ECC Version above.

SONY KSS333 LASER

Suit Sony Walkmans.

Code KSS333A

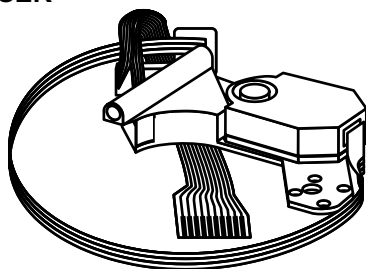


SONY KSS220 LASER

Will substitute for some
other P/No's. (Not "B")
Orig. KSS220A
Or KSS160A

Code KSS162A
Code KSS220A

Code KSS261A



SONY KSM360A LASER

P/No. KSM360AAM
KSM360ABM
KSM360ADM
KSS360ARP

18 Pin 12.5mm Connector.
See Note Below!
Code KSS360A

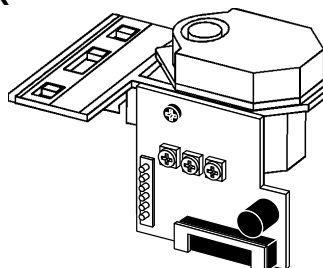


NOTE: See FWL578 Below!

SONY KSS240 LASER

Suit modern Sony units
and many others.

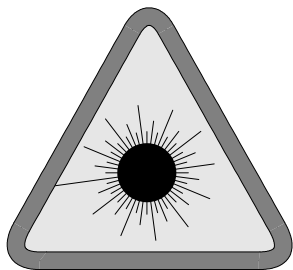
Orig. KSS-240-ARP
Code KSS240A



KSS360A - LEAD ADAPTOR

Two versions were used in production:
8-848-246-11 24mm Connector (N/A)
8-848-246-22 12.5mm Connector (Supplied)
If your unit requires the 24mm version,
which is no longer available, then you
must also replace the "Translation-Board"
A-4910-578-A which will adapt the newer
KSS360A 12.5mm connector to that unit.
Code FWL578





SONY KSS720 LASER

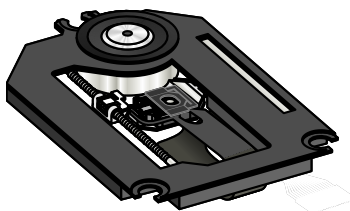
Code KSS720A



SONY KSM360ABM/ADM MECHANISM

With Standard Motor
29 Pin Connector.
Code KSM360ADM

Direct Drive
DC Brushless motor.
26 Pin Connector.
Code KSM360ABM



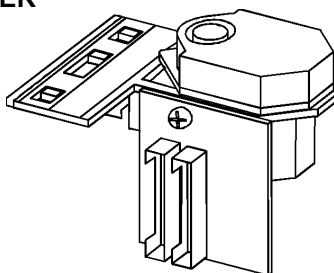
SONY MINI-DISK LASER

Personal Player Type
7 pin connector.
P/No. X-4946-311-1
DAX-01
DAX-11
Code LP3111



SONY KSS480 LASER

Code KSS480A



SONY MINI-DISK LASER

P/No. X4952-506-1
DAX-23E
Suit D-EJ715
Code LP5061



SONY KSS520 & KSS540

Low profile type.
Code KSS540A

P/No. 8848 4020 2
NEW 8848 4020 8
Suit CDX2100A
Code KSS520A



SONY MINI-DISK MECHANISM

P/No. A4672541A
Full mechanism with
lasers & motors, etc.
Code KMS260B



SONY KSS542 LASER

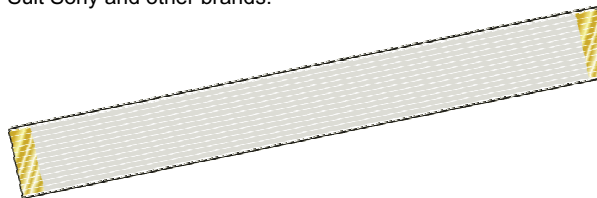
15 Pin Connector.
P/No 25394
SB213
Code KSS542A



MEMBRANE CONNECTORS

FLAT WIRE LOOMS

Suit Sony and other brands.



SONY KSS710 LASER

Suit CD Stackers
Magnavox
Onwa
CDC
Code KSS710A

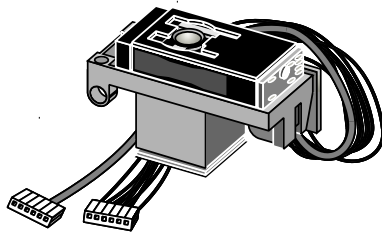


Code	Pins	Size	P/No.
FWL111	12	110x13mm	1-575-001-11
FWL578	Relay Board		A-4910-578-A
FWL12100	12	100x13mm	KSS240A Type
FWL1667	16	67x17mm	KSS213 Type
FWL16110	16	110x17mm	KSS213 Type
FWL16150	16	150x17mm	Longer version
FWL4911	5	120x7.5mm	1-590-849-11
FWL6165	6	165x9mm	1-751-052-11
FWL15200	15	200x20mm	Philips, etc.
FWL5210	5	210x7.5mm	Aiwa carousel, etc.

SANYO SF-90 LASER

6pin + 6pin plugs.

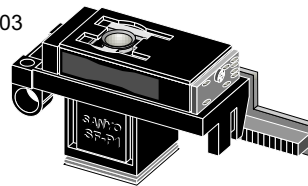
614 218 6855
Laser SF90
Code LP6855



SANYO SF-P1 LASER

13 pin ribbon

Orig. 614 239 1303
Laser SF-P1
Code LP1303

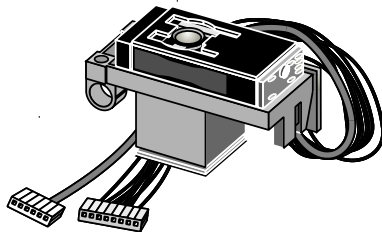


SANYO SF-90 LASER

8pin + 6pin plugs.

Laser SF90
Code LP7906

614 227 9069
Laser SF90
Code LP9069



SANYO SF-P1 LASER

6pin + 6pin

Orig. Unknown
Laser SF-P1
Code LP1304



SANYO SF-91 MECHANISM

6pin + 5pin plugs.

Laser SF91
Code MEC5967



SANYO SF-P100 MECHANISM

645 005 6444
13 Pin connector
small membrane type.
Includes laser,
Motors, etc.
Laser SF-P100
Code MEC6444

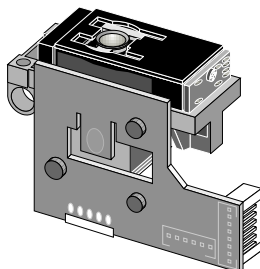


Laser only - See LP6444 below...

SANYO SF-91 LASER

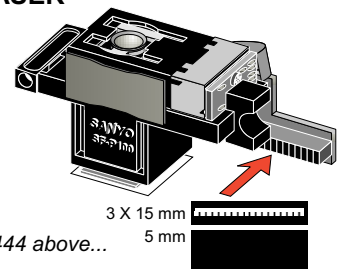
8 pin + 5 pin plugs.

645-005-5966
M0773463 K
Laser SF91
Code LP5966



SANYO SF-P100 LASER

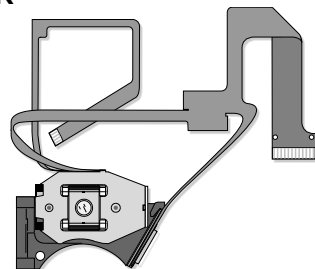
645 005 6444
13 Pin connector
small membrane type.
Laser only
Laser SF-P100
Code LP6444



Mechanism - See MEC6444 above...

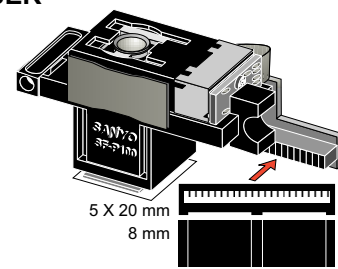
SANYO SF-92.5 LASER

P/No. 620 217 9964
Eq. 620 213 3546
Laser SF-92.5
Code LP9964



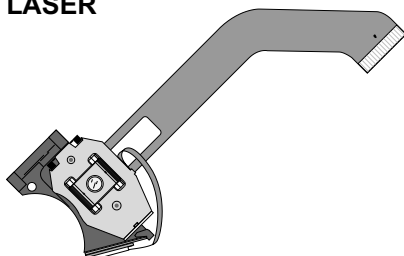
SANYO SF-P100 LASER

Part No. Unkown
13 Pin connector
Large membrane type.
Laser only
Laser SF-P100
Code LP6870



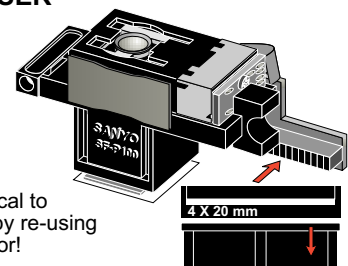
SANYO SF-92.5 LASER

Laser SF-92.5
Single 16 pin
ribbon harness.
Code LP9965



SANYO SF-P100 LASER

645 006 7983
13 Pin connector
Push-lock type.
Code LP7983



Save Money !
This LP7983 laser is identical to the LP6444. Save money by re-using the original ribbon connector!

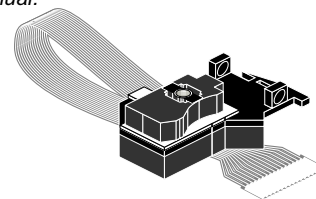
SANYO SF-P100 LASER

16 Pin connector
"Small Socket" type
Membrane connect.
Laser only
Laser SF-P100
Code LP7984



PIONEER PEA1030 PEA1179

*Note: Requires GRATING alignment,
see units Pioneer service manual.
(or EFIL CD manual page 76)*
Code PEA1030



PIONEER LASER
Code PEA1179

SANYO SF-P100 LASER

620 022 12609
18 Pin connector
Laser SF-P100
Code LP2609



PIONEER PEA1291 LASER

Suit PDM426
Code PEA1291



SANYO SF-P101 MECHANISM

15 Pin connector
white socket
membrane type.
Complete mech with
Laser, motors, etc.
Laser SF-P100
Code MEC101-15



PIONEER PEA1335 LASER

Code PEA1335



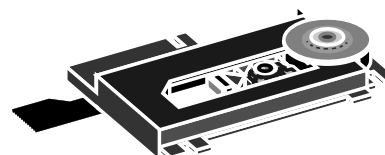
SANYO SF-P101 MECHANISM

16 Pin connector
white socket
membrane type.
Complete mech with
Laser, motors, etc.
Laser SF-P100
Code MEC101-16



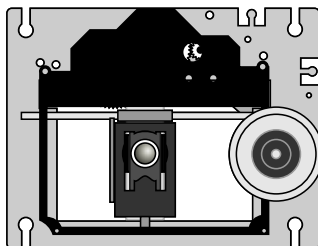
PHILIPS MARANTZ & NAD CDM12.3

4822 691 30359
Code CDM123



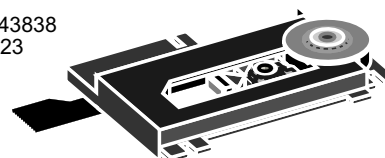
SANYO SF-P101 LASER

8 pin + 5 pin plugs.
Laser SF-P101
Code MEC10185



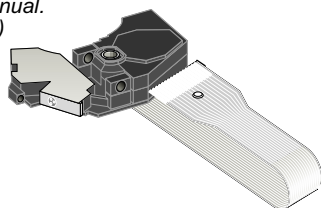
PHILIPS MARANTZ & NAD VAM1201

9305 022 20101 T E143838
1VU00 9820.3 051 1523
Code VAM1201



PIONEER PWY1009 LASER


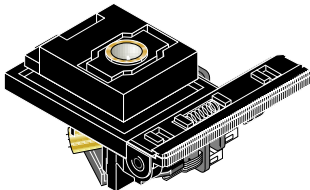

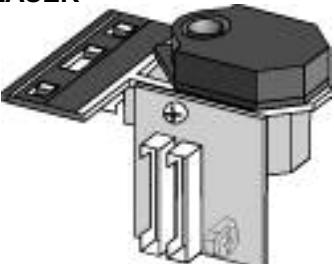
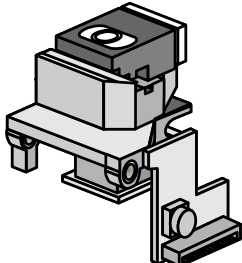

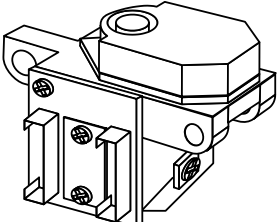
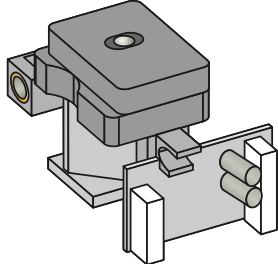

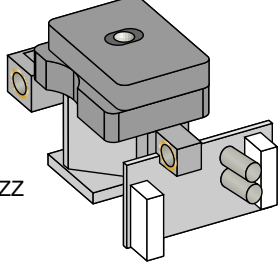
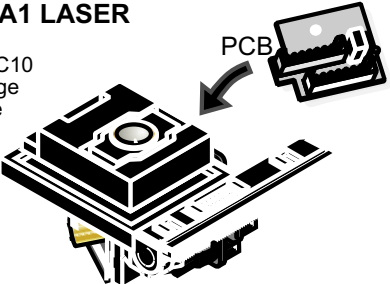

*Note: Requires GRATING alignment,
see units Pioneer service manual.
(or EFIL CD manual page 76)*
Code PWY1009

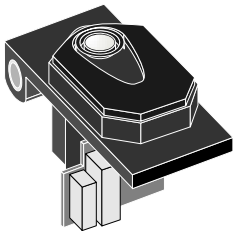

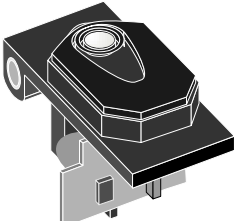

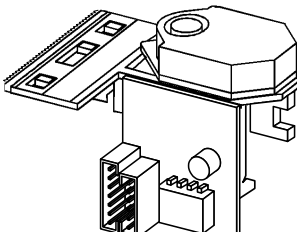

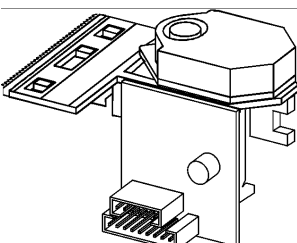







PHILIPS MARANTZ & NAD VAM1202

Complete with
Laser, etc.
12 pin ribbon.
CDM12.1/15, 4822 691 30278
3104 147 02171 E143838
1VU06 9636.2 032 0804
P/No. VAM1202/02
Code VAM1202



PHILIPS CAR LOADER AND MECH 4822 6913 0275 3104 1470 1121 3104 1087 8193 E64138, 1AH04. Complete with Laser, etc. 14 pin ribbon. Code CDM9/44 	SAMSUNG SOH-AP LASER 16 Pin Ribbon. Code SOH-AP 
HITACHI LASER LASER MECHANISM COMPLETE 8 Red + 7 White Code HOPM3A-MECH LASER ONLY Code HOPM3A 	SAMSUNG SOH90 LASER Code SOH90T4N 
JVC LASER Code OPTIMA150S P/No. OPTIMA6S Use OPTIMA150S 	SAMSUNG SOH-D2A Code SOHD2A 
TOSHIBA LASER Suit some Toshiba. Code TOPH7833 	TAOHS MITSUBISHI LASER Suit NAD 5320 Mitsubishi Sharp and others. P/No. TAOHS-JP1 TAOHS-KP1 Code LP-KP1 
SAMSUNG SOAD70A LASER P/No. SOAD70a Plug 17 pin Suit SLP150, 170, 333, SLP555, 777, 999, SLA10, SLC10, SLD346, SLJ26, SLS900, etc., HarmanKardon TL8500 Inc. Upgrade Mod' Code SOAD70A 	SHARP LASER Suit many Sharp inc. CD CDU CDX DX DXA DXR DXZ GFCD QTCD RS SC SGA SYS U W ZCD, etc. P/No. 125-617-0007 RCTRH-8112-AFZZ Code LP8112 NOTE: Can be substituted by LP-KP1 (Above) 
SAMSUNG SOH-A1 LASER P/No. SOH-A1-8C10 Plug 1 8 pin Orange Plug 2 8 pin White Code SOH-A1 	SHARP LASER P/No. LHPC1MX Pins 7 + 8 wht. Code LHPC1MX 

<p>SHARP LASER</p> <p>RCTR H8119AF ZZ 110 617 0095 Code LP8119</p> <p>RCTR H8136AF ZZ 116 617 0001 Suit CMS-R500CDX Code LP8136</p> 	<p>SHARP LASER</p> <p>92LHPC1LXASY HPC-1LX 7 Pin & 8 Pin Code HPC-1LX</p> 
<p>SHARP LASER</p> <p>RCTR H8124AF ZZ RCTR H8134AF ZZ 130 617 0012 Code LP8134</p> 	<p>PANASONIC RAE0111Z LASER</p> <p>TRAVERSE DECK Complete assembly. 16 Pin Connector. Code RAE0111Z</p> 
<p>AIWA / DENON / SHARP LASER</p> <p>SHARP RCTRH8147AFZZ AIWA DENON HPC-1C Code LP8147</p> 	<p>PANASONIC RAE0113Z LASER</p> <p>TRAVERSE DECK Complete assembly. 16 Pin Connector. Code RAE0113Z</p> 
<p>SHARP LASER</p> <p>RCTR H8151AFZZ Code LP8151</p> 	<p>PANASONIC RAE0152Z LASER</p> <p>TRAVERSE DECK Complete assembly. 16 Pin Connector. Code RAE0150Z or: Code RAE0152Z</p> 
<p>SHARP LASER</p> <p>RCTRF8148AFZZ KCP-1H HB148AF 16 Pin Code LP8148</p> 	<p>PANASONIC SODD110Z LASER</p> <p>TRAVERSE DECK Complete assembly. 16 Pin Connector. Code SODD110Z</p> 
<p>SHARP LASER</p> <p>92LHPC1LAS HPC-1L 5 Pin & 8 Pin Code HPC-1L</p> 	

HITACHI DENON DVD LASER

Suit DVD-900
DVD-1000
DVD-F100
EARLY SERIES
Code HOP1000

LATE SERIES
Code HOP1120



SHARP DVD LASER

RCT RH 8142 AFZZ
Code LP8142



PIONEER DVD LASER

Code VWY1055



SONY DVD LASER

882008103
882008109
A6062397A
KHM220JIRP1
Suit DVPS530D
and others.
Code KHM220AAA
POA



PANASONIC JVC DVD LASER

P/No. VMK0430
149K16V
EGM-VED0378
Suit DCDA300,350
DVP1000
DVP1500
DVP2000
Pins 16
Code VED0378



SONY DVD LASER

882014504
A6062706
Code KHM250AAA



PANASONIC DVD LASER

Suit DVD-RV20
Code VED0402-1



DVD MECH PARTS

**THIS LINE WILL EXPAND
SEE WESNEWS FOR MORE.**



SAMSUNG / TOSHIBA

Toshiba SV235, 240, 245.
Samsung DVD-V5000, 7000, 7500.

GEAR CENTRE
AC66-20581A
BY730111
Code GRC2058



HOLDER CLUTCH
AC61-21012A
BY730084
Code HLDR1012



MORE TO COME...

SAMSUNG DVD LASER

AH30-00010A
AH30-20001B
AH30-220001B
AH3020001B
SOH-DP1U
Code SOH-DP1



SAMSUNG DVD LASER

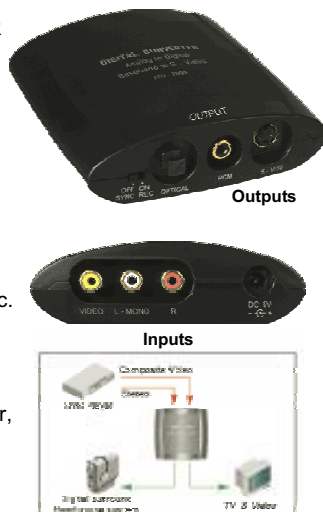
AH30-00008A
Code SOH-DV1



STEREO ANALOGUE TO OPTICAL PCM

NEW! A TO D CONVERTER

Compact unit with stereo audio in and converts it to 16 bit PCM (Digital) output to Toslink Optical and RCA PCM connections. This digital audio stream is compatible with all of today's digital home-theatre amplifiers and receivers with Digital audio inputs, or other digital items like Mini Disk Recorders, DAT, etc. Sync-Rec switch for dubbing (1s silence = Sync-Rec act'). For added connectivity this unit also has a uni-direction Composite to SVHS converter, (or SVHS→RCA) passive cct. Power pack inc'. No leads. Code ADV2000



CD/DVD SCRATCH AWAY

Last resort CD rescue solution. Do not use as a general cleaner! Abrasive system for removing optically distorting scratches. Excellent solution for resurfacing useless CDs, VCDs & DVDs from the dead. Two bottle system. Restores 40 CDs. Made in Australia by MicroChem. Code MC1004



RCA SWITCH SOLUTIONS

Solve the problem of too many A/V sources. All are stereo video. Triple RCA lead supplied.

THREE WAY

Code TP168

FOUR WAY

Code AVS4

SIX WAY

SVHS + 3x RCA.
Code AVS6

REMOTE CONTROL

Code AVS31R

Details - See 20-6

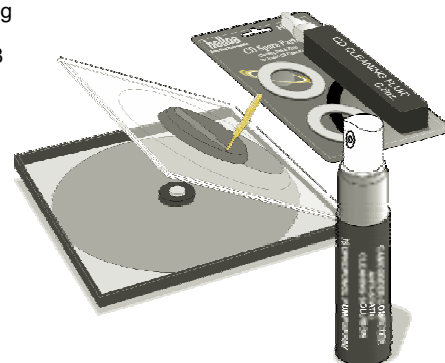


RADIAL CD/DVD CLEANING KIT

Non-scratch replaceable chamois. Simply insert CD & rotate! Code HL608

REPLACEMENT PARTS

Includes cleaning fluid and pads.
Code HL618



PHONO INPUT CONVERTER

Run out of inputs? If you require an extra input to your amplifier here is an option to use that old phono input! Your turntable is gathering dust, so why not use its' input for that new black box. Fully shielded in a metal box, premium quality components, gold plated plugs and sockets. The circuitry re-equalizes the signal to counteract the RIAA eq. low level (MM) input. Passive (No power required). Small 75x25x55mm. Code PH26



CD/DVD LENS CLEANER

Will clean a CD laser lens without having to dismantle the player. This unique disc has narration and music. Simply insert the disc, press play and a voice will guide you through the process! Although primarily a CD, this will clean DVD players (single laser). Code HL605



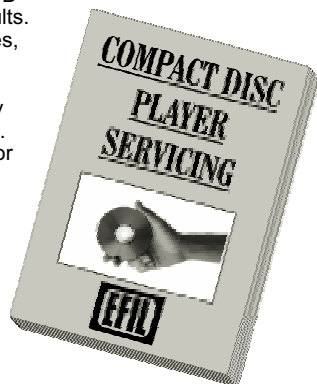
Cleaner Products Please See Section Fourteen



COMPACT DISC PLAYER SERVICING NEW!

A comprehensive 200 page manual. Covers Principles, Error correction, Laser assemblies, Servo, Signal Processing, Adjustments, Q & A, Troubleshooting and much more. Learn to fine tune a modern CD player and repair common faults. Full of diagrams, CRO Pictures, Schematics, Flow Charts, etc. Excellent references for the technical person with glossary and repair hints for the novice. Self assessment exercises for assistance in training. Written in Australia for Australian technicians, and published with the knowledge and resources of EFIL.

Code MANCD



TECHNICS TEST DISK

This test disc is unique in that it has measured "scratches" for assessing a player's ability to track poor quality compact discs. No guessing.

Track 1 1KHz reference
Track 2 L+R 0 dB
3-8 Interruption in information layer
From 0.4mm to 0.9mm
9-15 Black Dot at read out side tests
From 0.3mm to 0.9mm
Orig. SZZP1054C
Code CDT016



NOISE TEST CD

This CD is made in Germany and is DDD. With instructions. 72 min, 96 tracks, including 40 Tracks of different frequencies from 10Hz to 20KHz, Sweep signals, Separation, Stepped dB (1K & 60Hz), Wow & Flutter (3000 & 3150KHz), Dolby reference (400Hz), 440/438/445Hz to test music tuners, White & Pink Noise, Phase test, Emphasis, Pre-emphasis, Square signal, Dynamic burst, etc. Professional for the technician, priced for the home stereo system. A thorough and versatile test disk.

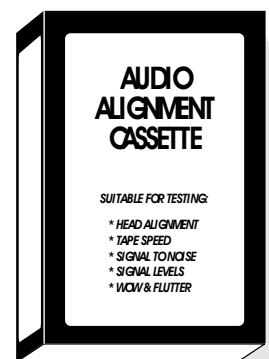
Code CDTEST2



AUSTRALIAN MADE TEST CASSETTE

The AAC9 has been produced to assist both the hi-fi enthusiast and the tradesman. It offers a range of tests to determine and correct faults in cassette decks. These tests can be performed without technical knowledge or costly test equipment. For the tradesman this tape can be used for fault diagnosis so as not to risk damage to proper alignment and test cassettes.

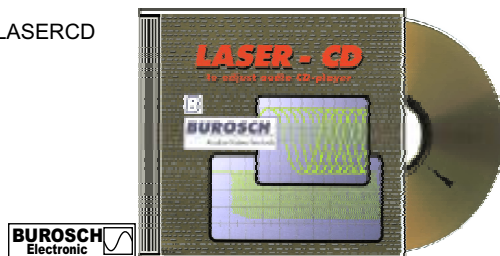
Minutes	Contents
1-6	1KHz sine wave
6-12	5KHz sine wave
12-18	2K5Hz sine wave suppressed for 10 seconds every 50 seconds
18-24	0.2 second beep every 10 seconds
Code	AAC9



TRACK & FOCUS OFFSET/GAIN ADJUST

This CD is made in Germany and is DDD. With instructions. 78 min, 45 tracks, of 1KHz 0dB Sine wave with intentional errors to test and align a CD players error tracking & gain. Error Area in Information Layer 0.2mm to 3mm in 0.1mm steps. Black line on readout side 0.2mm to 3mm in 0.1mm steps. Save time and effort in CD laser assesment and adjustment. Instruction booklet gives you detailed explanations with diagrams and helpful references to assist you in making the most from this handy test device.

Code LASERCD



MASTER COPY TEST CASSETTES

These LC Engineering premium test cassettes are the best available. Each tape is a *MASTER* not a duplicate. So each tape is individually produced and tested under a most severe quality control procedure. Test with the industry standard! IEC Prague. Engineering standard. Two types available. A) 3KHz (-10dB) for testing wow&flutter of cassette mechanisms. Diagnoses spindle wobble, take-up slack, etc. B) 10KHz (-10dB) Quick, accurate tape head angle adjustment. Diagnose worn heads, adjust for correct azimuth.

Code	Measure	Time Constant	F	Level	Standard
LCT3001	Wow/Flutr	3180μ/120μS	3KHz	250nwb/M-10db	MMT111
LCT3004C	Azimuth	3180μ/120μS	10KHz	200nwb/M-10db	MMT114



CD-R & CD-RW PHILIPS

25 SPINDLE
700Mb 80Min CDR

GOLD X25
40 Speed Record.
Code CDR80GP25

SILVER GREEN X25
All Speed Record.
Code CDR80SG25

SILVER BLUE X25
All Speed Record.
Code CDR80SB25



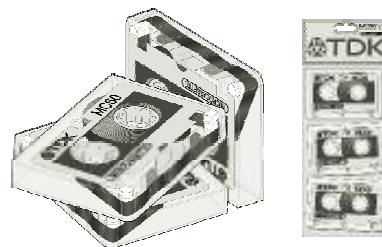
PANASONIC ENDLESS TAPE

As used in
Standard
tape sized
answering
machines.
Orig. PQJN1EO3A5ZA
Code KX-C030



MICROCASSETTES

As used in Dictation &
answer machines, etc.
Made by TDK.
30min SP each side.
Each in a plastic
protective case.
**ORDER ONE TO
RECEIVE THREE**
Pack MC60X3
for 3



CD-R & CD-RW TDK

Size Code
SONY with jewel case
80min CDQ80N2

TDK with jewel case
80min CDR80STD

TDK white print-on label
80min CDR80PW

TDK bulk (NO CASE)
10 pack CDR8010
50 pack CDR8050

PINE CD-RW
74min KWE650RW

TDK CD-RW
74MIN CDRW74STD
80min CDRW80STD

74min = 650Mb 80min = 700Mb



DAT DIGITAL AUDIO TAPE

High Performance Digital
Recording. Made in Japan.

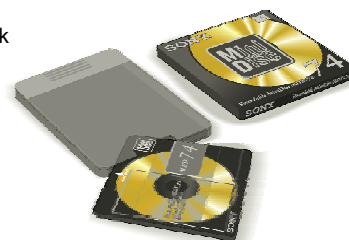
TIME Code
60m DT60RA
90m DT90RA
120m DT120RA
DAT HEAD CLEANER
Code DAT-HC05



Note: Sony or TDK supplied depending on availability

RECORDABLE MINI DISC

For Recording & Playback
Both Made In Japan,
With Hard Cover Pouch
Time 74 min
Sony MDW74



TDK MD-XG74

TDK "MUSIC" CD-R & CD-RW

"For Consumer" CD-R disks.
80min CDRXA80

ReWritable CD-RW
74min CDRWA74



HEAD & CAPSTAN CLEANER

Non-abrasive
cloth tape
with cleaning
fluid.
Code A112



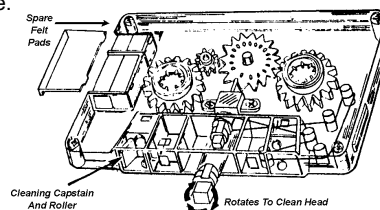
AUDIO CASSETTE TAPES

NORMAL POSITION
LOW-PROFILE CASE Type-I (120µs)
To maintain this price advantage,
different brands may be sourced.
Only one brand in stock at a time.
All are excellent quality.
Either TDK, FUJI or Panasonic.
Time Code
60min ACT60
90min ACT90



TAPE HEAD & CAPSTAN CLEANER

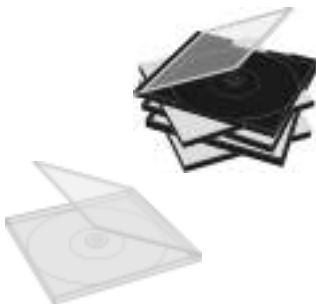
Mechanical brush type.
With spare felt pads
& cleaning solution.
Code A124



JEWEL CASE

Standard common type.
Order one to receive 5.
Code JWL5
5 pieces.

PLASTIC CASE - ONE PIECE
Special non-breakable type.
Order one to receive 1.
Code MK31C



CD SLEEVES

Envelopes for CDs.
CDs not included.

PAPER SLEEVE
Code CDS50
50pcs

PVC SLEEVE
Code CDS100
100pcs



CD PLAYER CARRY CASE

Polyurethane Leather.
Tough outer padding.
Two zipped compartments.
One for 12 CDs and their in-lays, the other the CD player with cable access.
Shoulder strap, carry handle, belt clip or bum bag.
Code CDP12B



MINI DISC CASE 4

Holds four MDs
Elastic FPU leather wallet.
Durable and water resistant.
Belt strap.
Code MDB4



12 CD/DVD STORAGE WALLET

6 sleeves, holds 12 CDs.
New, soft feel black korvett microfibre cover that is durable & water resistant.
Zipper & carry strap.
Padded stiff protect inlay.
Code CDW12B



MINI DISC CASE 8

Holds eight MDs
Elastic FPU leather wallet.
Durable and water resistant.
Carry strap.
Code MD8



24 CD/DVD STORAGE WALLET

12 sleeves, holds 24 CDs.
New, soft feel black korvett microfibre cover that is durable & water resistant.
Zipper & carry strap.
Padded stiff protect inlay.
Code CDW24B



MINI DISC RACK 20

Holds Twenty MDs
Stackable design for locking as many racks together as you require!
Black plastic.
Code MDR20



48 CD/DVD STORAGE WALLET

12 sleeve, double height holds and protects 48 CDs.
New, soft feel black korvett microfibre cover that is durable & water resistant.
Zipper & carry strap.
Padded stiff protect inlay.
Code CDW48B



96 CD/DVD ALBUM

High quality and a durable deluxe build.
About a foot² in size.
Holds up to 96 CD/DVD in protective sleeves.
Zips-up. Carry handle.
Weather resistant, tough.
Code CD96



COMPACT DISC CASSETTE ADAPTOR

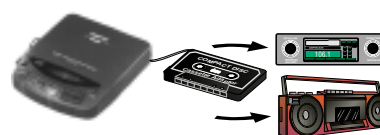
For connecting a portable Disc or Mini-Disc to your car tape deck.
Code HL104



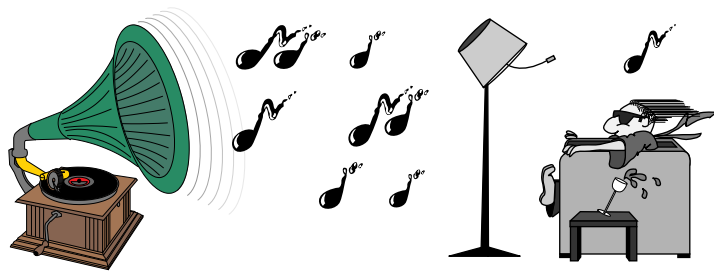
CAR POWER ADAPTOR
3/4.5/6/7.5/9/12 Volts
800mA Regulated Fused
Code CA709



BOTH TOGETHER
Packaged Kit.
Code CA706



STYLII AND CARTRIDGES



ORTOFON OM-10 / OM-20

Super Optimum Match
Magnetic Cartridges.
CONICAL STYLUS
OMB5

ELLIPTICAL STYLUS
OMB10

Replacement Stylus D1229E

www.ortofon.com



BSR SC12M CERAMIC CARTRIDGE

Code PC05

REPLACEMENT
STYLUS D475



TOSHIBA MAGNETIC N51M

Code PC40

REPLACEMENT
STYLUS D1190



STEREO CERAMIC CARTRIDGE

Code PC24

REPLACEMENT
STYLUS D325



CERAMIC CARTRIDGE

Code PC30

WITHOUT BASE
Code PC35

REPLACEMENT
STYLUS D1262



STEREO CERAMIC CARTRIDGE

Code PC23

REPLACEMENT
STYLUS D325



POPULAR JAPANESE CERAMIC

Code PC047

REPLACEMENT
STYLUS D1022



CERAMIC CARTRIDGE STEREO

Code PC20

REPLACEMENT STYLUS D325



TETRAD C2 CERAMIC STEREO

Code PC045

REPLACEMENT
STYLUS D1132



CERAMIC CARTRIDGE MONO

Code PC01

REPLACEMENT STYLUS D325



GARRARD KS40A CERAMIC CARTRIDGE

Code PC06

REPLACEMENT
STYLUS D444



CARTRIDGE HEAD SHELL

Light weight
Aluminium
Four Pin
Bayonet.
Includes Jumper
Leads. Silver.
Code CH10




















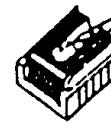

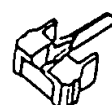
















STANFIELD REPLACEMENT STYLII

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Models marked * are the most popular.



STANFIELD CATALOGUE

The entire Stylus range is available through us. For a complete stylus listing get the Stanfield Catalogue Code MAN-STY

D35  C	D170 *  I	D194 *  F	D414 *  I	D505 *  I	D558  I
D87  D	D171  I	D197 *  I	D424 *  I	D506  I	D563  I
D88  C	D184  I	D325 *  C	D425E ELLIPTICAL  J	D508 *  I	D564 *  I
D163  I	D186  I	D332  C	D442  C	D524  I	D565  I
D164 *  I	D186ED ELLIPTICAL  J	D387  I	D444  C	D528  I	D569 *  I
D166  I	D190  I	D404  C	D475  C	D539  I	D570  F


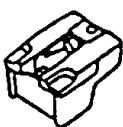

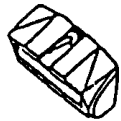




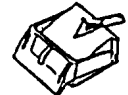
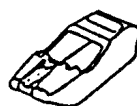

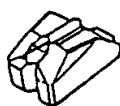











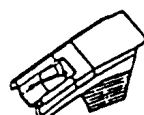




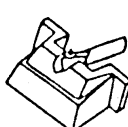
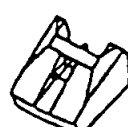






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Code MAN-STY

D574  I	D608 *  I	D1032  I	D1086  I	D1132  C	D1155 *  J
D579  I	D616  I	D1060  I	D1093  I	D1135  I	D1163 *  I
D592 *  I	D616ED  J	D1070 *  I	D1095  J	D1138  F	D1174 *  I
D593  I	D1015  I	D1071 *  I	D1109 *  C	D1151  I	D1177 *  J
D594  I	D1022 *  F	D1081 *  I	D1128  J	D1152  I	D1179  I
D606ED  J	D1029E *  J	D1085  I	D1129  I	D1153 *  I	D1181 *  J

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STANFIELD CATALOGUE

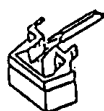
The entire Stylus range is available through us. For a complete stylus listing get the Stanfield Catalogue Code MAN-STY

D1184



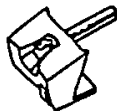
I

D1237E



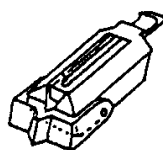
J

D1289



J

D1307 *



I

D6290



G

D6890E



ELLIPTICAL

J

D1187 *



J

D1241 *



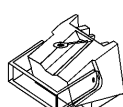
I

D1299 *



I

D1308



I

D6750 *



I

D7390 *



I

D1190 *



I

D1243



I

D1304 *



J

D6220



I

D6890



I

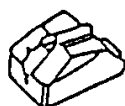
D7480 *



I

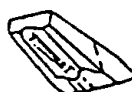
D1222E

ELLIPTICAL



J

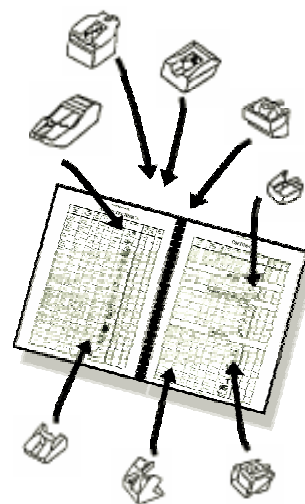
D1260



I

STYLUS CATALOGUE

Be prepared! Have a listing of virtually every stylus ever released in Australia! We stock the most popular but Stanfield stock the lot! (Rare ones can be ordered in with short delay). Keep your customers loyal by giving them access to the largest range of replacement stylii. Brand listed and illustrated for easy ID.
Code MAN-STY



D1224 *



I

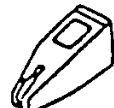
D1262 *



I

D1229E

ELLIPTICAL



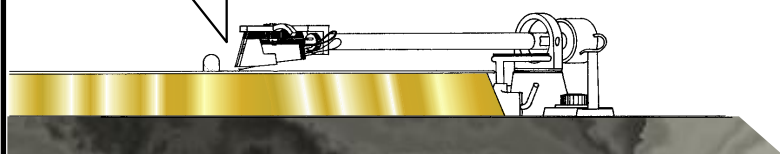
J

D1286 *



I

...POPI!..I NEED..SCRATCH...A NEW STYLUS...POPI!...
..STYLUS...POPI!...STYLUS FROM WAGNERS.....



STYLUS LISTING BY Code NUMBER

Code	COPY OF STYLUS
D35	VACO ST100 used by BSR and HMV.
D87	HMV HV22D, 34D and PHILIPS AG3310.
D88	BSR ST3, ST4 used by AWA, HITACHI, HMV, KRIESLER, PYE, SANYO
D163	NEC LP25, CEC STY333, ONKYO DN8ST/9ST, SANYO ST6D
D164	SANYO ST14D used by AUDIO REFLEX, AWA, HITACHI, HMV, PYE, etc.
D166	AWA N3DB, TOSHIBA N3CB/DB
D170	KRIESLER S70SR, EEI, EXCEL S70SR
D171	EXCEL S70HR Widely used by many manufacturers.
D184	AKAI MC9, JELCO ND9, SANSUI SN26 and SANYO ST15GD.
D186	SHURE N91ED used by AKAI, DUAL, SANYO and others.
D186ED	Elliptical version of above.
D190	PIONEER PN11.
D194	SANYO STG1 and TOSHIBA N3CD.
D197	AUDIO TECHNICA ATS10, used by AKAI, AWA, HITACHI, HMV, PYE, SANYO,
D325	VACO ST7, used by AWA, AWA, AUDIO REFLEX, COLUMBIA, HANIMEX, HITACHI, HMV, NATIONAL, ONKYO, PYE, RANK, SANYO, SHARP, SILVER, SONY, THORN.
D332	HMV HV17D, SONOTONE 9TA
D387	SHURE N44-7 used by DUAL, KRIESLER and others.
D404	BSR ST10, used by HMV, KRIESLER, PYE and others.
D414	SHURE N75-6, used by DUAL, GARRARD, HMV, PYE, SANYO & YAMAHA
D424	SHURE N44C, HEALING TM20
D425E	SHURE N55E, used by linear design & many others. (Elliptical)
D442	BSR ST12, ST14, used by EXPO, HMV, KRIESLER, PEY, RAMBLER, etc.
D444	SONOTONE 3509, used by G.E., GARRARD, HMV, KRIESLER, RAMBLER.
D475	BSR ST16, ST17, used by AUDIO REFLEX, AWA, EXPO, G.E., HANIMEX KRIESLER, NOVATECH, PYE, RANK, RAMBLER and SILVER.
D505	JVC DT29, used by AUDIO REFLEX, PHILIPS, PYE and RANK.
D506	JVC DT33H
D508	AUDIO TECHNICA AT55, AWA N13C, TOSHIBA N13C, YAMAHA N5500
D524	AIWA AN8743, KENWOOD N43, SHARP STY705
D528	PIONEER PN12 and PN10.
D539	SONY ND108G, used in HITACHI and others.
D558	ADC RK8, used by BSR and others.
D563	SONY ND134G
D564	SANSUI SN28, used by AUDIO REFLEX, SHARP and SILVER.
D565	SANYO/FISHER ST28
D569	NEC LP8300, CEC MC20, Harksound
D570	KRIESLER / NATIONAL EPS13TT
D574	SANSUI SN37
D579	SANYO ST27D, used by KRIESLER, TEAC, THORN and others.
D592	ONKYO DN29ST, used by RANK, SHARP, SILVER, TEAC and TOSHIBA.
D593	PIONEER PN135.
D594	TOSHIBA NN1C, used by RANK ARENA and others.
D606ED	SHURE N95ED, used by AIWA, DUAL and others. (Elliptical)
D608	AUDIO TECHNICA ATN71, used by AIWA, COLUMBIA, HITACHI, G.E., KENWOOD, MARANTZ, NATIONAL, ONKYO, PYE, RANK, SANYO, TEAC and TOSHIBA.
D616	NATIONAL EPS270DD.
D616ED	Elliptical version of above.
D1015	KENWOOD N49
D1022	COLUMBIA DSN45, used by AWA, HITACHI, JVC, KRIESLER, PYE, SANYO..
D1029E	CEC / ORTOFON NF15E Mk-II
D1032	PIEZO AN122, used by AWA, COLUMBIA, THORN and others.
D1022	TOSHIBA N40G, used by SANYO, RANK and others.
D1060	JVC DT36, used by AIWA, RANK, SANYO, SILVER and TOSHIBA.
D1070	AUDIO TECHNICA ATN3400, INKEL, LUXMAN, MARANTZ CT6, SANYO ST38VD
D1071	AUDIO TECHNICA ATN3400, used by AKAI, AIWA, HITACHI, JVC, KENWOOD, MARANTZ, MITSUBISHI, NATIONAL, ONKYO, SANSUI, SHARP, TOSHIBA..
D1081	CEC MC17, TEAC MC17
D1085	AUDIO TECHNICA ATN3711, used by AIWA, AKAI and others.
D1086	PIEZO AN124, used by AWA, COLUMBIA and others.
D1071	AUDIO TECHNICA ATN3401, used by SANYO, SHARP and YAMAHA.
D1229	AIWA LM20, MITSUBISHI 3D-MM, ORTOFON/CONCORDE 20, Elliptical
D1093	ADC QLM33-III, used by AUDIO REFLEX, BSR, HANIMEX and others
D1095	SHURE N17C
D1109	BSR T20MD, NOVATEC T-2MS, EXPO T20MD, MORSE T2MS, T20MI...
D1128	PIONEER PN220.
D1129	NATIONAL EPS25CS.
D1132	BSR T2MS and TETRAD T2MS.
D1135	ONKYO DN51ST, TOSHIBA N160C
D1138	CEC 6-2188-1A, PYE MC6, TOSHIBA N20G.
D505	AIWA AN36, GENERAL MST6, G.E. / SANYO STG2, MITSUBISHI 3D48M, ONKYO DN7, NEC LP60, SHARP STY117 THORN / TOSHIBA N320C
D1151	SHURE SS35C
D1152	NATIONAL / THORN EPS41ST, DORCHESTER
D1153	AUDIO TECHNICA ATN3601, used by AKAI, DUAL, JVC, PIONEER,
D1155	ONKYO, SHARP, SONY, TEAC and YAMAHA...
D1163	NATIONAL EPS24CS
D1155	AUDIO TECHNICA ATN3600L, used by MORSE, NOVATEC, NATIONAL,
D1174	PHILIPS D397-III, TOSHIBA N290S, NOVATEC, NAGAOKA JN711
D1177	AUDIO TECHNICA ATN3472P, used by AKAI, CEC, DUAL, HITACHI, KENWOOD, JVC, MARANTZ, NATIONAL, PIONEER, SANSUI, SANYO, SHARP & SONY..
D1179	SANSUI SN80, used by TEAC and others.
D1181	AKAI RS50, MARANTZ CT243, SHARP STY129 STY133
D1184	SHARP ST20D, used by MARANTZ, TOSHIBA and others.
D1187	SANSUI SN303, used by AIWA, AKAI, MARANTZ and MITSUBISHI.
D1190	COLUMBIA DSN67, SANYO ST29 ST55 ST57, SHARP STY55, TOSHIBA.
D616	NAGAOKA NM321B, used by AWA, KRIESLER, PHILIPS and PYE.
D1243	SANYO STG9, used by AIWA, HITACHI, THORN and others.
D1163	MARANTZ CTN153, NATIONAL EPS30CS EPS33CS
D1222E	Elliptical version of above. NATIONAL EPS30ES EPS33ES
D1224	TEAC / SANSUI SN60, also suit MORSE, NOVATEC, TENSAT, SHERWOOD.
D1229E	ORTOFON LM5, used by AIWA, AKAI and others. (Elliptical)
D1241	SANYO ST66D
D1243	SANYO STG10, used by JVC, SHARP, TOSHIBA and others.
D1260	SHARP STY146, used by CEC, SANYO, SONY, TOSHIBA and others.
D1262	PYE / CEC CZ800-1 MZ8D, SANYO ST-05
D1286	ADC SX-5, PYE HF1155
D1289	STANTON D5107AL
D1299	CEC BD95, TEAC P75, SHARP, MARANTZ, SANYO
D1304	SHARP STY155
D1307	ONKYO, TEMPEST, NOVATEC
D1308	AKAI APM75, 393, Kenwood N777
D6220	JVC DT-Z1S.
D6290	NATIONAL EPS36.
D6750	HITACHI ST103, PIEZO YM308
D6890	SHURE N70B, N72B, widely used by many suppliers.
D6890E	SHURE N70EJ, N72EJ, upgrade of D6890. (Elliptical version)
D7390	PIONEER PN110-II
D7480	SANSUI SN44

CANT FIND IT? TRY REPLACING THE WHOLE CARTRIDGE!
SEE PREVIOUS PAGES FOR DETAILS.

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